

IN THE CLAIMS:

1.-18. (Cancel)

17. (New) An impeller for a pump, especially for a cooling water pump of an internal combustion engine, comprising a hub, a cover disk which is disposed on the intake side and is provided with a central opening for sucking in a conveyed medium, and with at least one blade which is joined integrally with the cover disk on the intake side and is provided with an inner section located in the region of the central opening and an outer section located in the region of the cover disk, said impeller being provided with a completely open configuration on the pressure side opposite of the cover disk and that the blade is curved at least in the interior section in a three-dimensional manner and is provided in the outer section with a substantially two-dimensional curvature.

18. (New) An impeller according to claim 17, wherein the blades are free from coverings or undercuts.

19. (New) An impeller according to claim 17, wherein the blades are curved in a two-dimensional manner in the region of the cover disk and are rectangular to the plane of the cover disk.

20. (New) An impeller according to claim 17, wherein an axial projection is provided on the cover disk in the region of the central opening, which projection projects in the direction of the intake side.

21. (New) An impeller according to claim 17, wherein the blade on the intake side is flush with a front edge of the axial projection.

22. **(New)** An impeller according to claim 17, wherein the cover disk is rounded off in the region of the central opening.

23. **(New)** An impeller according to claim 17, wherein the blades are provided at least in the outer section on the pressure side with a face surface which is situated in a plane perpendicular to the axis of the impeller.

24. **(New)** An impeller according to claim 17, wherein the blades have a convex surface which converges smoothly from the inner section to the outer section.

25. **(New)** An impeller according to claim 17, wherein the blades comprise a concave surface which converges with an edge from the inner section to the outer section.

26. **(New)** An impeller according to claim 17, wherein the blades have in the outer section a substantially rectangular cross section.

27. **(New)** An impeller according to claim 17, wherein the blades in the outer section have at least partly a trapezoid cross section.

28. **(New)** An impeller according to claim 17, wherein the impeller comprises radial discharge openings.

29. **(New)** An impeller according to claim 17, wherein the diameter of the opening of the cover disk corresponds to 30% to 70% of the diameter of the impeller.

30. **(New)** A pump, especially a cooling water pump for an internal combustion engine, with a bearing in which a pump shaft is held

rotatably which passes through a wall of the housing and to which is fastened an impeller with axial intake opening on the side of the housing wall opposite of the bearing and with preferably radial discharge, said impeller comprising a hub, a cover disk which is disposed on the intake side and is provided with a central opening for sucking in a conveyed medium, and with at least one blade which is joined integrally with the cover disk on the intake side and is provided with an inner section located in the region of the central opening and an outer section located in the region of the cover disk, said impeller being further provided with a completely open configuration on the pressure side opposite of the cover disk and that the blade is curved at least in the interior section in a three-dimensional manner and is provided in the outer section with a substantially two-dimensional curvature.

31. **(New)** A pump according to claim 30, wherein an axial face seal for sealing the pump shaft is provided in the wall of the housing, which seal is situated openly in the flow of the conveying medium.

32. **(New)** A pump according to claim 30, wherein the wall of the housing is directly adjacent to a face side of the blades.